

L Number	Hits	Search Text	DB	Time stamp
1	1371748	file profile record	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:15
2	3896226	voice audio signal aural\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:16
3	206830	participant speaker caller	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:16
4	1178817	identif\$7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:17
5	435	((file profile record) with (voice audio signal aural\$2) with (participant speaker caller) with identif\$7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:20
6	12	((file profile record) with (voice audio signal aural\$2) with (participant speaker caller) with identif\$7) with frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:24
8	0	((file profile record) near2 (voice audio signal aural\$2) near2 (participant speaker caller) near2 identif\$7) near2 frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:27
7	30	(file profile record) near2 (voice audio signal aural\$2) near2 (participant speaker caller) near2 identif\$7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:30
9	0	((file profile record) near2 (voice audio signal aural\$2) near2 (participant speaker caller) near2 identif\$7) with frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:33
10	3234246	store storing stored storage	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:34
11	28128	((file profile record) with (voice audio signal aural\$2) with (store storing stored storage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:35
12	867	((file profile record) with (voice audio signal aural\$2) with (store storing stored storage)) with frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:36
13	15	(file profile record) near2 (voice audio signal aural\$2) near2 (store storing stored storage) near2 frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:40
14	1	((file profile record) with (voice audio signal aural\$2) with (store storing stored storage)) with frequency with conferenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 12:42

15	2	5559875.uref. and 5710591.uref.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:43
16	1	(5559875.uref. and 5710591.uref.) and frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:46
17	1	6192395.uref.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:44
18	4	5627978.pn. 5999208.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:47
19	0	(5627978.pn. 5999208.pn.) and frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:47
20	4	5559875.pn. 5710591.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:47
21	1	(5559875.pn. 5710591.pn.) and frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:54
22	67	skarbo.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:54
23	42	skarbo.in. and conferenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:55
24	9721	((participant speaker caller) near2 identif\$7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:55
25	6	((skarbo.in. and conferenc\$3) and ((participant speaker caller) near2 identif\$7)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:56
26	7	skarbo.in. and ((participant speaker caller) near2 identif\$7)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:59
27	232	((participant speaker caller) near2 identif\$7) with frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:59
30	1	((participant speaker caller) near2 identif\$7) near2 frequency) and conferenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/03/31 12:59

28	27	((participant speaker caller) near2 identif\$7) near2 frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:01
31	2	((file profile record) with (voice audio signal aural\$2) with (participant speaker caller) with identif\$7) with pitch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:02
32	878	379/202.01-206.01.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:03
33	4	((participant speaker caller) near2 identif\$7) with frequency) and 379/202.01-206.01.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:03
34	37	((participant speaker caller) near2 identif\$7) with pitch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:04
35	0	379/202.01-206.01.ccls. and (((participant speaker caller) near2 identif\$7) with pitch)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:04
29	37	((participant speaker caller) near2 identif\$7) with frequency) and conferenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:23
36	70296	(file profile record) near2 (voice audio signal aural\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:25
37	4102	((file profile record) near2 (voice audio signal aural\$2)) with frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:25
38	4	379/202.01-206.01.ccls. and (((file profile record) near2 (voice audio signal aural\$2)) with frequency)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:26
39	183	((file profile record) near2 (voice audio signal aural\$2)) with frequency) and conferenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:27
40	79	((file profile record) near2 (voice audio signal aural\$2)) with frequency) with identif\$7	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:27
41	0	379/202.01-206.01.ccls. and (((file profile record) near2 (voice audio signal aural\$2)) with frequency) with identif\$7)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:27
42	3	((file profile record) near2 (voice audio signal aural\$2)) with frequency) with identif\$7) and conferenc\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/31 13:27

US-PAT-NO: 4947436

DOCUMENT-IDENTIFIER: US 4947436 A

TITLE: Speaker verification using memory
address

----- KWIC -----

Brief Summary Text - BSTX (4):

According to the present invention there is provided an apparatus for speaker identification comprising: means for deriving from each of successive sample periods of speech input thereto a digital word representing the frequency spectrum thereof; a store for storing codewords indicating for each digital word the relative probability of the frequency spectrum corresponding to that word occurring in the speech of known speakers which the apparatus has been trained to identify, the digital word output of the deriving means being connected to address inputs of the store; and control means responsive, during input of speech by a speaker to be identified, to codewords read out from the store to output, in accordance with a predetermined criterion, data indicating which, if any, of the known speakers is deemed to have been identified.

Claims Text - CLTX (28):

storing in a random access memory stored codewords uniquely corresponding to said previously identified speakers at address locations corresponding to the input speech's frequency spectrum, previously supplied by such speakers, a given one of said codewords being supplied at a memory output in response to input address signals;

Other Reference Publication - OREF (1):

ICASSP 82, IEEE International Conference of Acoustics,
Speech and Signal
Processing, Paris, May 3-5, 1982, vol. 3 (IEEE, New York,
U.S.), H. Ney et al.:
"Speaker Recognition Using a Feature Weighting Technique",
pp. 1645-1648.

Other Reference Publication - OREF (3):

ICASSP 83, IEEE International Conference on Acoustics,
Speech and Signal
Processing, Boston, Apr. 14-16, 1983, vol. 2, (IEEE, New
York, U.S.), K. P. Li
et al.: "An Approach to Text-Independent Speaker Recognition
with Short
Utterances", pp. 555-558.

Other Reference Publication - OREF (5):

ICASSP 84, IEEE International Conference on Acoustics,
Speech and Signal
Processing, San Diego, Mar. 19-21, 1984, vol. 2 (IEEE, New
York, U.S.) M.
Krasner et al.: "Investigation of Test-Independent Speaker
Identification
Techniques Under Conditions of Variable Data", pp.
18B.5.1-18B.5.4.